

APPLICATIONS

- Automotive safety
- Biomechanics
- Durability testing
- Embedded monitoring
- Helicopter & aircraft
- Ride & handling
- Sports & safety equipment

Range Expander

Measure Large Voltages Safely



Compact and easy to use, the Range Expander is a plug-n-play solution with options for recording voltages from ± 20 to ± 800 volts. Order with any sensor connector to match your DAS connector layout.

The input range of all current DTS Bridge sensor inputs is 0-5 volts. When you need to safely measure voltages beyond 0-5 volts, the Range Expander is a great way to do just that. Perfect for any application where you need accurate measurement of battery voltages, signal generator outputs, or sensors with native output greater than 0-5 volts.

Features

- Built-in calibrated attenuation circuit.
- Available in standard measurement ranges of: $\pm 20V$, $\pm 40V$, $\pm 60V$, $\pm 800V$
Custom ranges available
- Delivered with a traceable calibration report.
- Built-in Sensor ID chip for plug-n-play convenience
- Integrated 2 m cable with pigtail termination.
- Works with all TDAS and SLICE product families.
- Offers a true, ground-tolerant, differential input for large signals.

Specifications

PHYSICAL	
Design:	Attenuator built into Connector Backshell
Weight:	Similar to Sensor Connector
Connector Options:	Omnetics, Lemo, or Tajimi
ENVIRONMENTAL	
Operating Temp.:	0°C to 100°C
Shock:	500 g
PERFORMANCE	
Range:	$\pm 20V$, ± 40 , $\pm 60V$, $\pm 800\pm$ Custom ranges on request
Drift vs. Ambient Temp:	± 50 ppm
Accuracy:	$\pm 1\%$
Sensor ID:	Dallas 1-wire

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